

DECLARATION AND POWER OF ATTORNEY

Attorney Docket No. UCF-237

DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: : LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR the specification of which is filed herewith.

I hereby state that I have read and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

NONE

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PT international filing date of this application: Provisional Patent Serial Number 60/120,500 filed February 18, 1999.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

BRIAN S. STEINBERGER
Registration Number 36,423

I do not know and do not believe that this invention was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof, or more than one year prior to this application, or in public use or on sale in the United States more than one year prior to this application, that this invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

The Patent and Trademark Office is requested to direct all mail and telephone calls to:

BRIAN S. STEINBERGER
101 BREVARD AVE
COCOA, FL 32922

TELEPHONE: (321) 633-5080
FACSIMILE NO. (321) 633-9322

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Inventor: **BRUCE H.T. CHAI**
Citizenship: **UNITED STATES OF AMERICA**
Residence and Post office address: **2615 WESTMINSTER TERRACE**
OVIEDO, FLORIDA 32765

Signature: *Bruce Chai*

Date: 2/9/00

Name of Inventor: **YANGYANG JI**
Citizenship: **P. R. CHINA**
Residence and Post office address: **12018 PASTEUR DR. #402**
ORLANDO, FLORIDA 32826

Signature: *Yangyang Ji*

Date: 02/09/00

APPLICANT OR PATENTEE: HAI, et al.
 SERIAL OR PATENT NO:
 FILED OR ISSUED:
 FOR:

**LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR
 DETECTOR**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
 STATUS (37 CFR 1.9(f) and 1.27(b))--NONPROFIT ORGANIZATION**

I HEREBY DECLARE THAT I AM AN OFFICIAL EMPOWERED TO ACT ON BEHALF OF THE NONPROFIT
 ORGANIZATION IDENTIFIED BELOW:

NAME OF ORGANIZATION: University of Central Florida
 ADDRESS OF ORGANIZATION: 4000 Central Florida Boulevard
 ADM-243
 Orlando, Florida 32816-0150

TYPE OF ORGANIZATION:

X UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for
 purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled:

LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

X DESCRIBED IN
 THE SPECIFICATION FILED HEREWITH.
 APPLICATION SERIAL NO. 0 / _____, FILED _____
 PATENT NO. _____, ISSUED _____

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with
 regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the
 invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify
 as a small business concern under 37 CFR 1.9(d) or any concern which would not qualify as a small business concern under 37
 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). *NOTE: SEPARATE VERIFIED STATES ARE REQUIRED FROM EACH
 NAMED PERSON, CONCERN OR ORGANIZATION HAVING RIGHTS TO THE INVENTION AVERRING TO THEIR STATUS AS SMALL
 ENTITIES. (37 CFR 1.27).

NAME: _____
 ADDRESS: _____
 _____ INDIVIDUAL _____ SMALL BUSINESS CONCERN _____ NONPROFIT ORGANIZATION

I ACKNOWLEDGE THE DUTY TO FILE, IN THIS APPLICATION OR PATENT, NOTIFICATION OF ANY CHANGE
 IN STATUS RESULTING IN LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS PRIOR TO PAYING, OR AT
 THE TIME OF PAYING, THE EARLIEST OF THE ISSUE FEE OR ANY MAINTENANCE FEE DUE AFTER THE
 DATE ON WHICH STATUS AS A SMALL ENTITY IS NO LONGER APPROPRIATE. (37 CFR 1.26(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information
 and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements
 and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States
 Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any
 patent to which this verified statement is directed.

NAME OF PERSON SIGNING: M.J. SOILEAU PH.D.
 TITLE IN ORGANIZATION: VICE PRESIDENT FOR RESEARCH
 ADDRESS OF PERSON SIGNING: University of Central Florida
 4000 Central Florida Blvd., ADM-243
 Orlando, FL 32816-0150

SIGNATURE: _____

DATE: 01/26/00

Applicant or Patentee: CHAI, et al.

Attorney Docket NO.: UCF-273

For: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (31 CFR 1.9(f) and 1e27(b)) - SMALL BUSINESS CONCERN

I HEREBY DECLARE THAT I AM
THE OWNER OF THE SMALL BUSINESS CONCERN IDENTIFIED BELOW;
X AN OFFICIAL OF THE SMALL BUSINESS CONCERN EMPOWERED TO
ACT ON BEHALF OF THE CONCERN IDENTIFIED BELOW

NAME OF CONCERN: Crystal Photonics, Inc.
ADDRESS OF CONCERN: 2729 N. Financial Court, Sanford, Florida 32773

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons for purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third-party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled the small business concern identified above with regard to the invention, entitled: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR by Chai, et al.
DESCRIBED IN

X THE SPECIFICATION FILED HEREWITH.
APPLICATION SERIAL NO. 0 / _____, FILED: _____
PATENT NO. _____, ISSUED _____

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

NAME: Crystal Photonics, Inc.
ADDRESS: 2729 N. Financial Ct., Sanford, FL 32773
INDIVIDUAL V SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37CFR 1.28(b)). I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Caroline C. Chai
TITLE OF PERSON OTHER THAN OWNER: Treasurer
ADDRESS OF PERSON SIGNING: 2729 N. Financial Court,
Sanford, Florida 32773

Caroline C. Chai
Signature

Date: 2/9/2000

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